

HUZAIFA MALIK

AI Automation Engineer | Agentic AI Developer | LLM Systems Engineer

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PROFESSIONAL SUMMARY

AI Automation Engineer with 3+ years building production-grade agentic pipelines, RAG systems, and LLM-powered workflow automation for real estate and SME clients. Delivered measurable results: 18+ hrs/week of manual ops eliminated, 70% of property queries resolved autonomously, and 60% reduction in client processing load via multi-agent systems. Specialize in end-to-end builds with n8n, LangChain, LangGraph, and OpenAI — from architecture through deployment and live monitoring. Microsoft Azure AI certified. Available for remote roles worldwide.

TECHNICAL SKILLS

AI/ML: Scikit-learn, XGBoost, PyTorch, TensorFlow, Keras, Hugging Face Transformers, OpenCV, MediaPipe, NLP, Computer Vision, Sentiment Analysis, SHAP

AI Automation & Agents: n8n, Make.com, LangChain, LangGraph, CrewAI, Flowise, Agentic AI, RAG Pipelines, MCP, Voice Agents, RPA, Zapier, MLOps

Data Engineering: Python (Pandas, NumPy, Matplotlib, Seaborn), SQL, Excel Advanced, Power BI, ETL Pipelines, KPI Dashboard Design, Evidently AI

Engineering: HTML, CSS, JavaScript, React, WordPress, WooCommerce, Tailwind CSS, Bootstrap, REST APIs, FastAPI, Docker, Git, GitHub Actions, Vercel, CI/CD

WORK EXPERIENCE

AI Automation Engineer / Data Analyst

Jan 2025 – Present

EtiHAD Town • Lahore, Pakistan

- 18+ hrs/week of manual back-office work eliminated via LangChain + n8n agentic workflows automating tenant inquiry triage, lease renewal reminders, and document processing across 3 operational teams.
- 70% of routine property queries resolved autonomously after deploying RAG-powered WhatsApp chatbot (Flowise + OpenAI) — agent response time cut by 55%.
- ~40% reduction in manual valuation time from ML-powered property pricing and market forecasting models (Python, XGBoost, Scikit-learn) applied across 500+ active listings.
- 14+ analyst hours/month recovered by orchestrating end-to-end ETL pipelines, slashing weekly report preparation from 4 hours to under 30 minutes.
- 10+ interactive Power BI and Python KPI dashboards deployed tracking portfolio performance and directly informing senior management pricing decisions; 99%+ uptime maintained across 15+ workstations.

Software Engineer & AI Automation Specialist

2023 – 2025

Techsynx • Lahore, Pakistan

- 25+ production websites and web applications delivered on time for international clients (React, WordPress, WooCommerce) — 100% on-scope delivery rate across all engagements.
- Google Page Speed scores lifted from avg. 52 to 88+ via code splitting, lazy loading, and asset caching — directly improving client conversion rates across projects.
- 65% reduction in manual admin overhead via n8n CRM-to-email-to-invoicing automation workflows; billing cycle cut from 5 days to same-day.
- 30 SEO-optimised articles/month generated at a fraction of agency cost via Make.com + OpenAI content pipeline — adopted by 3 ongoing client retainers.
- 35% fewer QA revision cycles across 12+ projects via pixel-perfect Figma-to-code component architecture; organic search rankings achieved within 60-90 days across all SEO engagements.

Front-End Developer & Workflow Automation Lead

2022 – 2023

Housecodies • Lahore, Pakistan

- 25-30% page load time reduction across 30+ responsive cross-browser UIs (HTML, CSS, JS, Tailwind, Bootstrap) — 80% first-review client approval rate across all deliverables.
- 2-hour weekly manual reporting process eliminated via Python + Google Sheets API live dashboard delivered to 4 stakeholders every Monday.
- 40% reduction in inter-team handoff delays via Zapier workflows connecting Trello, Slack, and client email across 3 concurrent projects.
- Zero critical production bugs maintained throughout 12-month agile engagement with designers and backend engineers — on-time delivery achieved on every sprint.

KEY PROJECTS

ChurnGuard — Production MLOps Churn Prediction System: XGBoost FastAPI Docker MLOps SHAP Evidently AI CI/CD Power BI

End-to-end MLOps pipeline for bank customer churn prediction. XGBoost model at 91% accuracy, containerised with Docker and served via FastAPI REST endpoint. Live SHAP explainability dashboard, automated model retraining on data drift (Evidently AI), and CI/CD deployment on GitHub Actions — full production lifecycle from training to monitoring.

AutoFlow — Multi-Agent Business Automation Platform: n8n LangGraph LangChain Pinecone RAG Evidently AI Make.com Flowise FastAPI

Self-hostable agentic AI platform built on n8n + LangGraph orchestrating 12 automation workflows for 5 SME clients — lead qualification, invoice processing, social media scheduling, and CRM sync. Each agent uses RAG retrieval over Pinecone vector DB + OpenAI GPT-4o as the reasoning core. Reduced clients' manual processing load by an average of 60% within the first month.

Fraud AI — Real-Time AI-Generated Text Detector: Isolation Forest Python Web3.py Hardhat Telegram Bot CI/CD IPFS

Transformer-based NLP classifier identifying AI-generated content at 89%+ accuracy. Deployed as a public REST API (FastAPI + Hugging Face) handling 500+ daily requests with sub-200ms inference latency via ONNX optimisation.

DeFi Sentinel — On-Chain Analytics & Anomaly Detection Engine: Hugging Face Transformers FastAPI ONNX NLP REST API

Python-based on-chain analytics platform querying Ethereum and Polygon via Web3.py and The Graph sub graphs. ML anomaly detection (Isolation Forest) flags suspicious wallet activity and rug-pull patterns at 87% precision — integrated with a Telegram alert bot. Real-time DeFi TVL, liquidity flows, and wallet risk scores surfaced across 50+ tracked contracts

CERTIFICATIONS

- Microsoft Certified: Azure AI Fundamentals (AI-900)
- Microsoft: Data Visualization, Cyber Security & Data Analysis
- Cisco: Network Security, Ethical Hacking & Network Devices
- NAVITC / Corvit Networks: Machine Learning & Deep Learning
- Coursera: Front-End Development & WordPress Development

EDUCATION

BS Information Technology — GCUF
Intermediate — Standard College